| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|-----------|------------|
| - | 4 | (("5551903") or ("6135839")).PN. | USPAT; | 2003/01/27 |
| | | | US-PGPUB; | 12:43 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 138 | ("3259782" "3665241" "3675063" "3755704" | USPAT | 2003/01/27 |
| ļ | | "3789471" "3812559" "3855499" "3947716" | | 11:02 |
| | | "3970887" "4008412" "4075535" "4084942" | | |
| | | "4139773" "4141405" "4143292" "4164680" | | |
| | | "4168213" "4178531" "4307507" "4350926" | | |
| | | "4498952" "4507562" "4513308" "4528474" | | |
| | | "4540983" "4542038" "4578614" "4588921" | | |
| | | "4663559" "4684353" "4684540" "4685996" | | |
| | | "4687825" "4687938" "4710765" "4721885" | | |
| | | "4728851" "4758449" "4763187" "4788472" | | |
| | | "4816717" "4822466" "4835438" "4851254" | | |
| | | "4855636" "4857161" "4857799" "4874981" | | |
| | | "4882659" "4889690" "4892757" "4899081" | | |
| | | "4908539" "4923421" "4926056" "4933108" | | |
| | | "4940916" "4956202" "4964946" "4987007" | | |
| | | "4990766" "4994205" "5015912" "5019003" | | |
| | | "5036247" "5038070" "5054046" "5054047" | | |
| | | "5055744" "5063323" "5063327" "5064396" | | |
| | | "5075591" "5085958" "5089292" "5089742" | | |
| | | "5089812" "5090932" "5098737" "5101288" | | |
| | | "5103144" "5103145" "5117267" "5117299" | | |
| | | "5119386" "5123039" "5124072" "5124558" | | |
| | | "5129850" "5132585" "5132676" "5138237" | | |
| | | "5141459" "5141460" "5142184" "5142390" | | |
| | | "5148461" "5150011" "5151061" "5153753" | | |
| | | "5153901" "5157309" "5162704" "5166456" | | |
| | | "5180951" "5183529" "5186670" "5194780" | | |
| | | "5199917" "5199918" "5202571" "5203731" | | |
| | | "5204021" "5204581" "5210430" "5212426" | | |
| | | "5213712" "5214416" "5228877" "5228878" | | |
| | | "5229331" "5229682" "5235244" "5242620" | | |
| | | "5243252" "5250451" "5252833" "5256888" | | |
| | | "5259799" "5275967" "5276521" "5277638" | | |
| | | "5278475" "5281891" "5283500" "5285129" | | |
| | | "5302423" "5312514").PN. | | |
| - | 37 | 5285129.URPN. | USPAT | 2003/01/27 |
| | · | | | 11:09 |

| - | 197 | ("1954691" "2851408" "2867541" "2959483" | USPAT | 2003/01/27 |
|---|------|--|-----------|------------|
| | | "3070441" "3108904" "3259782" "3314871" | | 11:28 |
| | | "3360450" "3481733" "3525679" "3554889" | | |
| | | "3665241" "3675063" "3755704" "3789471" | | |
| | | "3808048" "3812559" "3855499" "3898146" | | |
| | | "3947716" "3970887" "4008412" "4075535" | | |
| | | "4084942" "4139773" "4141405" "4143292" | | |
| | | "4164680" "4168213" "4178531" "4307507" | | |
| | | "4350926" "4482447" "4498952" "4507562" | | |
| | | "4512912" "4513308" "4528474" "4540983" | | |
| | | "4542038" "4578614" "4588921" "4594527" | | |
| | | "4633131" "4647400" "4663559" "4684353" | | |
| | | "4684540" "4685996" "4687825" "4687938" | | |
| | | "4710765" "4721885" "4728851" "4758449" | | |
| | | "4763187" "4788472" "4816717" "4818914" | | |
| | | "4822466" "4827177" "4835438" "4851254" | | |
| | | "4855636" "4857161" "4857799" "4874981" | | |
| | | "4882659" "4889690" "4892757" "4899081" | | |
| | | "4908539" "4923421" "4926056" "4933108" | | |
| | | "4940916" "4954744" "4956202" "4956573" | | |
| | | "4964946" "4987007" "4990416" "4990766" | | |
| | | "4994205" "5007873" "5015912" "5019003" | | |
| | | "5036247" "5038070" "5054046" "5054047" | | |
| | | "5055077" "5055744" "5057047" "5063323" | | |
| | | "5063327" "5064396" "5075591" "5075595" | | |
| | ; | "5075596" "5079476" "5085958" "5089292" | | · |
| | | "5089742" "5089812" "5090932" "5098737" | | |
| | | "5101288" "5103144" "5103145" "5117267" | | |
| | | "5117299" "5119386" "5123039" "5124072" | | |
| | | "5124558" "5126287" "5129850" "5132585" | | |
| | | "5132676" "5136764" "5138237" "5140219" | | : |
| | | "5141459" "5141460" "5142184" "5142256" | | |
| | | "5142390" "5144191" "5148078" "5148461" | - | |
| | | "5150011" "5150192" "5151061" "5153753" | | |
| | | "5153901" "5155420" "5156770" "5157304" | | |
| | | "5157309" "5162704" "5166456" "5173634" | | |
| | | "5173635" "5173697" "5180951" "5183529" | | |
| | | "5185178" "5186670" "5194780" "5199917" | | : |
| | | "5199918" "5202571" "5203731" "5204021" | | : |
| | | "5204581" "5210430" "5212426" "5213712" | | |
| | | "5214347" "5214416" "5220725" "5227699" | | |
| | | "5228877" "5228878" "5229331" "5229682" | | |
| | | "5231606" "5235244" "5242620" "5243252" | | |
| | | "5250451" "5252833" "5256888" "5259799" | | |
| | | "5266155" "5275967" "5276521" "5277638" | | |
| | | "5278475" "5281891" "5283500" "5285129" | | |
| | | "5296117" "5302423" "5312514" "5315393" | | |
| | | "5341063" "5380546" "5399238" "5449970" | | |
| | | "5531880" "5536193" "5543684" "5548185" | | |
| | | "5551903").PN. | | |
| _ | 3220 | (313/495,346r,310). <i>CC</i> LS. | USPAT; | 2003/07/29 |
| | | (| US-PGPUB; | 15:57 |
| | | | JPO; | |
| | | | DERWENT | |
| | l | | 1 00:11 | J |

| - | 1771 | ((313/495,346r,310).CCLS.) and electron | USPAT; | 2003/01/27 |
|---|------|--|-----------|--------------|
| | | | US-PGPUB; | 12:46 |
| | | | JPO; | |
| | | | DERWENT | |
| _ | 1086 | (((313/495,346r,310).CCLS.) and electron) and | USPAT; | 2003/01/27 |
| | | emitting | US-PGPUB; | 12:46 |
| | | Charring | JPO; | 12.40 |
| | | | DERWENT | |
| | 0/3 | ////212 /405 24/ = 210) CCI C \ = 1 = 1 = 4 = = 1 | | 2002/01/27 |
| - | 863 | (((((313/495,346r,310).CCLS.) and electron) and | USPAT; | 2003/01/27 |
| | | emitting) and voltage | US-PGPUB; | 12:46 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 699 | ((((((313/495,346r,310).CCLS.) and electron) and | USPAT; | 2003/01/27 |
| | | emitting) and voltage) and insulat\$3 | US-PGPUB; | 12:47 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 312 | (((((((313/495,346r,310).CCLS.) and electron) and | USPAT; | 2003/01/27 |
| | | emitting) and voltage) and insulat\$3) and carbon | US-PGPUB; | 12:54 |
| | | | JPO; | |
| | | | DERWENT | |
| _ | 2 | ("6420825").PN. | USPAT; | 2003/01/27 |
| _ | | (0420023).i iv. | US-PGPUB; | 12:54 |
| | | • | JPO; | 12.54 |
| | | | | |
| | 40 | (UEO / / OCON UETE 44 400 UETTO 400 UETTO 6400 UE | DERWENT | 0000 (01 (07 |
| - | 10 | ("5066883" "5754148" "5770918" "5828352" | USPAT | 2003/01/27 |
| | | "5859502" "5866988" "5872541" "6005540" | | 13:04 |
| | | "6153973" "6184619").PN. | | |
| - | 11 | (US-6409566-\$ or US-6127773-\$ or US-5763997-\$ | USPAT; | 2003/01/27 |
| | | or US-5548185-\$ or US-5543684-\$ or | US-PGPUB | 13:36 |
| | | US-6420825-\$ or US-6184619-\$ or US-6005540-\$ | | |
| | | or US-5872541-\$ or US-5066883-\$).did. or | | |
| | | (US-20020047513-\$).did. | | |
| _ | 4 | 5872541.URPN. | USPAT | 2003/01/27 |
| | | | | 14:43 |
| - | 8 | ("3015747" "3278789" "3663857" "3725731" | USPAT | 2003/01/27 |
| | | "3735186" "4093562" "4303917" | | 14:43 |
| | | "4325084").PN. | | |
| _ | 10 | ("5066883" "5754148" "5770918" "5828352" | USPAT | 2003/01/27 |
| | | "5859502" "5866988" "5872541" "6005540" | | 14:44 |
| | | "6153973" "6184619").PN. | | |
| | 10 | 5859502.URPN. | USPAT | 2003/01/27 |
| - | 10 | JUJJJUL.URFIN. | 03/7/ | 14:46 |
| | | (4412E020#1001 | LICDAT | |
| _ | 2 | ("6135839").PN. | USPAT; | 2003/01/27 |
| | | | US-PGPUB; | 15:23 |
| | | | JPO; | |
| | | (200 (107) 44) 2 | DERWENT | |
| - | 976 | (313/495).CCLS. | USPAT; | 2003/01/27 |
| | | • | US-PGPUB; | 16:51 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 198 | ((313/495).CCLS.) and (insulating with layer) and | USPAT; | 2003/01/27 |
| | | (electron with emitt\$3) and carbon | US-PGPUB; | 16:53 |
| | | | JPO; | |
| | | | DERWENT | |
| | | | | 1 |

| | 158 | ((212/405) CCL 5) and (insulating with larger) and | USPAT | 2002/01/27 |
|--------------|-----|---|---------------------|---------------------|
| - | 156 | ((313/495).CCLS.) and (insulating with layer) and (electron with emitt\$3) and carbon | USPAT | 2003/01/27 16:54 |
| _ | 1 | (((313/495).CCLS.) and (insulating with layer) and | USPAT | 2003/01/27 |
| _ | • | ((clectron with emitt\$3) and carbon) and (graphite | USFAT | 16:55 |
| | | and graphene) | i | 10.55 |
| _ | 3 | ("6,400,091").PN. | USPAT; | 2003/01/28 |
| | | (0,100,001).114. | US-PGPUB; | 08:19 |
| | | | JPO; | 33.17 |
| | | | DERWENT | |
| _ | 2 | ("5551903").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:07 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 1 | "08781206" | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:09 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 0 | 20020146958.URPN. | USPAT | 2003/07/28 |
| | | | | 14:07 |
| - | 2 | ("20020146958").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:11 |
| | | · | JPO; | |
| | | | DERWENT | |
| - | 2 | ("20020047513").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:16 |
| | | | JPO; | |
| | 2 | /II.4 E.01.2.7.0 II.) DN I | DERWENT | 2002/07/28 |
| _ | 2 | ("6581379").PN. | USPAT; US-PGPUB; | 2003/07/28 14:23 |
| | | | JPO; | 14.23 |
| | | | DERWENT | |
| _ | 2 | ("20020057045").PN. | USPAT; | 2003/07/28 |
| | _ | (1001000, 0.10) | US-PGPUB; | 14:26 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 2 | ("20020074947").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:27 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 2 | ("20020060516").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:28 |
| E | | | JPO; | |
| | | | DERWENT | |
| - | 2 | ("20020031972").PN. | USPAT; | 2003/07/28 |
| | | | US-PGPUB; | 14:56 |
| | | | JPO; | |
| | 20 | ((#4728851#) on (#4004805#) on (#4054570#) on | DERWENT | 2003/07/20 |
| - | 20 | (("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5192240") or ("5214346") or | USPAT | 2003/07/29 10:14 |
| | | ("5382867") or ("5192240") or ("5214346") or | | 10.14 |
| | | ("5773921") or ("5935639") or ("5973444") or | | |
| | | (5773921) or (5935639) or (5973444) or ("5982091") or ("6135839") or ("6147449") or | | |
| | | ("6204597") or ("6288494") or ("6313572") or | | |
| | | ("6390612") or ("6448709")).PN. | | |
| | L | (0070012) OI (0770707)),FIV. | | <u> </u> |

| 4 ((("4728851") or ("4904895") or ("4956578") or ("5382867") or ("5382867") or ("5512587") or ("5577943") or ("5773921") or ("5935639") or ("6313572") or ("6204597") or ("6204597") or ("62133572") or ("6313572") or ("6204597") or ("62133572") or ("6313572") or ("6204597") or ("62133572") or ("6313572") or | | | | | |
|--|---|----|--|-----------|--------------|
| ("5382867") or ("5512587") or ("5577343") or ("5773921") or ("5973639") or ("614744") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or ("6172851") or ("6286949") or ("6313572") or ("6172851") or ("6286949") or ("6313572") or ("5185554") or ("6195269") or ("5214346") or ("532867") or ("5973444") or ("6313572") or ("6320459") or ("6135839") or ("6174749") or ("6320459") or ("6135839") or ("6174749") or ("6330612") or ("6135839") or ("6174749") or ("6313572") or ("6390612") or ("6135839") or ("6174749") or ("6313572") or ("6390612") or ("6135839") or ("6174749") or ("6313572") or ("532657") or ("5125240") or ("65124346") or ("5390612") or ("6135839") or ("6174749") or ("6313572") or ("6204597") or ("6204597") or ("62134346") or ("6313572") or ("6204597") or ("62134346") or ("6313572") or ("6300612") or ("6135839") or ("6147449") or ("6313572") or ("6320459") or ("6135839") or ("6147449") or ("6313572") or ("532061") or ("5124346") or ("573221") or ("5935639") or ("5973444") or ("5300612") or ("6135839") or ("6137449") or ("6313572") or ("6300612") or ("6135839") or ("6137449") or ("6313572") or ("6204597") or ("6135839") or ("6137449") or ("6313572") or ("6300612") or ("6135839") or ("6135732") or ("6300612") or ("6135839") or ("6135749") or ("6204597") or ("6286494") or ("6313572") or ("6300612") or ("6135839") or ("6135749") or ("6313572") or ("6300612") or ("6135839") or ("6135749") or ("6204597") or ("6135839") or ("6135640") or ("574346") or ("5506236") or ("507476"))PN. - 0 (("5214347") or ("5266155") or ("5136764") or ("586980") or ("6174749") or ("586980") or ("6174749") or ("617 | - | 4 | 1 | USPAT; | 2003/07/29 |
| ("5773921") or ("5933639") or ("6973444") or ("6330512") or ("6204597") or ("6288494") or ("6313572") or ("6390612") or ("6488709") or ("61313572") or ("6390612") or ("6488709") or ("61585978") or ("5173921") or ("61585979") or ("6157943") or ("5173921") or ("61513572") or ("6204597") or ("61513578") or ("6204597") or ("615135839") or ("6147449") or ("6300612") or ("6488709")).PN.) and (graphe\$4) - 0 (("4728851") or ("5192240") or ("6133572") or ("6390612") or ("6135839") or ("614749") or ("63382867") or ("6152587") or ("5577943") or ("5773921") or ("6135839") or ("614749") or ("53328267") or ("5192240") or ("613783") or ("5177942") or ("5773921") or ("6135839") or ("614749") or ("5392091") or ("6135839") or ("614749") or ("5392091") or ("6135839") or ("614749") or ("6390612") or ("6288494") or ("6313572") or ("6390612") or ("6288494") or ("6313572") or ("6390612") or ("6488709")).PN.) and (carbon adj tube) 3 (("4728851") or ("5192240") or ("5214346") or ("5392091") or ("6152587") or ("5773921") or ("6152587") or ("5773921") or ("6152587") or ("5313572") or ("5930612") or ("6488709")).PN.) and (carbon adj nanotube) - 0 (("5453661") or ("5489817")).PN. - 0 (("5453661") or ("5093675")).PN.) and graphene - 5 (("5214347") or ("5489817")).PN.) and graphene - 5 (("5214347") or ("55469817").PN.) and graphene - 10 ("65895002" "6688981" or ("61315372") or ("5390612") or ("6288949") or ("61315372") or ("5390612") or ("6488709").PN.) and graphene - 20 (("74728851") or ("5079376").PN.) - 10 ("606882" "5754148" "5770918" "5828352" US-P6PUB; JPO: DERWENT | | | ("5185554") or ("5192240") or ("5214346") or | US-PGPUB; | 10:16 |
| ("95982091") or ("6135839") or ("6137489") or ("6313572") or ("6390612") or ("6448709")PN), and ((carbon adj fiber) or graphene) 0 (("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5192240") or ("5214346") or ("5773921") or ("6135839") or ("6147499") or ("6135839") or ("6147499") or ("6390612") or ("6135839") or ("6147499") or ("6185554") or ("6135839") or ("6147499") or ("5185554") or ("5192240") or ("61313572") or ("5382867") or ("5192240") or ("6137434") or ("573921") or ("61935639") or ("6147449") or ("5185554") or ("1612587") or ("6147449") or ("5185554") or ("61593639") or ("65973444") or ("573921") or ("61593639") or ("65973444") or ("573921") or ("61592240") or ("65973444") or ("5973921") or ("61592240") or ("61375372") or ("6390612") or ("6135839") or ("6147449") or ("6390612") or ("6135839") or ("6147449") or ("6390612") or ("6135839") or ("6147449") or ("5313572") or ("573921") or ("6135839") or ("6147449") or ("6313572") or ("6390612") or ("61468709"))PN), and (carbon adj nanotube) ("5489817"))PN), and (carbon adj nanotube) ("5562316") or ("5079346") or ("6137532") or ("6390612") or ("614769")PN). - 0 (("5214347") or ("5266155") or ("5136764") or ("5979240") or ("5136764") or ("5889502") ar ("5079376"))PN). - 1 ("5066883" "5754148" "5770918" "5828352" USPAT (2003/07/28 (1640) USPAT (2003/07/28 (1640) USPAT (2003/07/29 ("6185597) or ("61952587") or ("61957344") or ("6185897") or ("6197344") or ("6185897") or ("61859507") or ("61855979") or ("61877991") or ("61855979") or ("61877991") or ("61855979") or ("61877991") or ("61877791" | | | ("5382867") or ("5612587") or ("5577943") or | JPO; | |
| ("6204597") or ("6288494") or ("6313572") or ("6390612") or ("6448709").PN.) and ((carbon adj fiber) or graphene.) | | | ("5773921") or ("5935639") or ("5973444") or | DERWENT | |
| ("6390612") or ("6448709")),PN.) and ((carbon adj fiber) or graphene | | | ("5982091") or ("6135839") or ("6147449") or | | |
| fiber) or graphene (| | | ("6204597") or ("6288494") or ("6313572") or | | |
| fiber) or graphene (| | | | | |
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| - 5 (("5214347") or ("5266155") or ("5136764") or ("5562516") or ("5079476")).PN. - 10 ("5066883" "5754148" "5770918" "5828352" USPAT 2003/07/29 | | | | | 10.40 |
| - (("5214347") or ("5266155") or ("5136764") or ("5562516") or ("5079476")).PN 10 ("5066883" "5754148" "5770918" "5828352" USPAT 2003/07/29 ("5859502" "5866988" "5872541" "6005540" 08:32 ((("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5185554") or ("5192240") or ("5214346") or ("5382867") or ("5192240") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | | | |
| - 10 ("5562516") or ("5079476")).PN. 16:41 - 10 ("5066883" "5754148" "5770918" "5828352" 2003/07/29 | | _ | ((150440471) (150444551) (15444741) | | 0000 107 100 |
| - 10 ("5066883" "5754148" "5770918" "5828352" USPAT 2003/07/29 | - | 5 | , | USPAT | |
| "5859502" "5866988" "5872541" "6005540" "6153973" "6184619").PN. 20 ((("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5192240") or ("5214346") or ("5382867") or ("5612587") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | , | | |
| - 20 ((("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5185554") or ("518240") or ("5214346") or ("5382867") or ("5612587") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | - | 10 | | USPAT | |
| - 20 ((("4728851") or ("4904895") or ("4956578") or ("5185554") or ("5192240") or ("5214346") or ("5382867") or ("5612587") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | | | 08:32 |
| ("5185554") or ("5192240") or ("5214346") or ("5382867") or ("5612587") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | · · · · · · · · · · · · · · · · · · · | | |
| ("5382867") or ("5612587") or ("5577943") or ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | - | 20 | , | USPAT | 2003/07/29 |
| ("5773921") or ("5935639") or ("5973444") or ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | ("5185554") or ("5192240") or ("5214346") or | | 10:48 |
| ("5982091") or ("6135839") or ("6147449") or ("6204597") or ("6288494") or ("6313572") or | | | ("5382867") or ("5612587") or ("5577943") or | | |
| ("6204597") or ("6288494") or ("6313572") or | | | ("5773921") or ("5935639") or ("5973444") or | | |
| ("6204597") or ("6288494") or ("6313572") or | | | ("5982091") or ("6135839") or ("6147449") or | | |
| | | | | | |
| | | | ("6390612") or ("6448709")).PN.) | | |

| | 1 40 | (1/4) 47000740 | 11-5.4 | 0000 107 100 |
|--------------|------|---|------------|--------------|
| - | 12 | (((("4728851") or ("4904895") or ("4956578") or | USPAT | 2003/07/29 |
| | | ("5185554") or ("5192240") or ("5214346") or | | 10:48 |
| | | ("5382867") or ("5612587") or ("5577943") or | | |
| | | ("5773921") or ("5935639") or ("5973444") or | | |
| | | ("5982091") or ("6135839") or ("6147449") or | | |
| | | ("6204597") or ("6288494") or ("6313572") or | | |
| | | ("6390612") or ("6448709")).PN.)) and carbon | | |
| - | 4 | ((("4728851") or ("4904895") or ("4956578") or | USPAT | 2003/07/29 |
| | | ("5185554") or ("5192240") or ("5214346") or | | 13:35 |
| | | ("5382867") or ("5612587") or ("5577943") or | | |
| | İ | ("5773921") or ("5935639") or ("5973444") or | | |
| | | ("5982091") or ("6135839") or ("6147449") or | | |
| | | ("6204597") or ("6288494") or ("6313572") or | | |
| | | ("6390612") or ("6448709")).PN.) and ((carbon adj | | |
| | | (nanotube fiber) or graphene)) | | |
| _ | 7 | carbon same (graphen\$2) and (emit emitter emitting) | USPAT | 2003/07/29 |
| | , | Carrotte Graphen, and Commonter of Committee | | 13:39 |
| _ | 11 | carbon and (graphen\$2) and (emit emitter emitting) | USPAT | 2003/07/29 |
| | | car son and (graphonya) and (chin chin ref chin ring) | 001711 | 14:18 |
| _ | 152 | carbon and fiber and (graphen\$2) and electron | USPAT; | 2003/07/29 |
| _ | 152 | cal bott and tiber and (graphenge) and electron | US-PGPUB | 13:47 |
| _ | 132 | carbon and fiber and (graphen\$2) and electron) and | USPAT; | 2003/07/29 |
| - | 132 | | · | 1 |
| | 2 | (stacked arranged aligned axial orientated) | US-PGPUB | 13:52 |
| - | | ("6205016").PN. | USPAT; | 2003/07/29 |
| | | | US-PGPUB; | 14:09 |
| | | | JPO; | |
| | | //II/ 20 45 40 II | DERWENT | |
| - | 8 | (("6384542") or ("6435928") or ("6288494") or | USPAT; | 2003/07/29 |
| | | ("6184610")).PN. | US-PGPUB; | 14:13 |
| | | | JPO; | |
| | | (/// 20 45 40 | DERWENT | 222242 |
| - | 4 | (("6384542") or ("6435928") or ("6288494") or | USPAT | 2003/07/29 |
| | | ("6184610")).PN. | | 14:13 |
| - | 16 | ((multiwall and nanotube) or (carbon and graphen\$2)) | USPAT | 2003/07/29 |
| | _ | and (emit emitter emitting) | | 14:25 |
| - | 0 | multiwall and carbon and graphen\$2 | USPAT | 2003/07/29 |
| | _ | | . _ | 14:26 |
| - | 0 | multiwall and graphen\$2 | USPAT | 2003/07/29 |
| | | | | 14:26 |
| - | 0 | multiwall and graphene | USPAT | 2003/07/29 |
| | | | | 14:27 |
| - | 66 | graphen\$1 | USPAT | 2003/07/29 |
| | | | | 14:28 |
| - | 12 | graphen\$1 | USPAT | 2003/07/29 |
| | | and emit\$3 | | 14:35 |
| - | 2 | ("20020047513").PN. | USPAT; | 2003/07/29 |
| | | | US-PGPUB; | 14:37 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 67 | graphite adj nanofiber | USPAT; | 2003/07/29 |
| | | | US-PGPUB; | 14:39 |
| | | | JPO; | |
| | | | DERWENT | |

| - | 59 | ((graphite adj nanofiber) or (multi-wall same | USPAT; | 2003/07/29 |
|---|-----|--|-----------|------------|
| | | nanotube)) and (graphens graphene) | US-PGPUB; | 15:24 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 12 | (Bouchard).in. and Robert and Joseph | USPAT; | 2003/07/29 |
| | | | US-PGPUB; | 15:21 |
| | | | JPO; | |
| | | | DERWENT | |
| - | 28 | (multiwall same nanotube) and (graphens graphene) | USPAT; | 2003/07/29 |
| | | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | US-PGPUB; | 15:26 |
| | | | JPO; | 10.20 |
| | İ | | DERWENT | |
| | 0 | (((("4728851") or ("4904895") or ("4956578") or | USPAT; | 2003/07/29 |
| _ | | (((4720031) or (4720033) or (47300376) or (51855554") or (5192240") or (5214346") or | US-PGPUB; | 15:27 |
| | | ("5382867") or ("5612587") or ("5577943") or | 1 | 15.27 |
| | | 1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | JPO; | |
| | | ("5773921") or ("5935639") or ("5973444") or | DERWENT | |
| | | ("5982091") or ("6135839") or ("6147449") or | | |
| | | ("6204597") or ("6288494") or ("6313572") or | | |
| | | ("6390612") or ("6448709")).PN.)) and ((multiwall@2 | | |
| i | | mulit-wall\$2) same nanotube) | | |
| - | 5 | 6156256.URPN. | USPAT | 2003/07/29 |
| | | | | 15:41 |
| - | 19 | ("2375796" "2796331" "4328151" "4474906" | USPAT | 2003/07/29 |
| | | "4490201" "4684336" "4855091" "4855122" | | 15:43 |
| | | "4859493" "4915925" "4940015" "4999244" | | |
| | | "5024818" "5171489" "5374415" "5389400" | | |
| | | "5413773" "5433906" "5594060").PN. | | |
| - | 154 | (313/495,346r,310).ccls. and (@pd > "20030127") | USPAT; | 2003/07/29 |
| | | , | US-PGPUB; | 15:58 |
| | | | JPO; | |
| | | | DERWENT | |
| _ | 111 | (445/24).ccls. and (@pd > "20030127") | USPAT; | 2003/07/29 |
| | | (Create system (Open Economic) | US-PGPUB; | 15:59 |
| | | | JPO; | |
| | | | DERWENT | |
| _ | 112 | (((313/495,346r,310).ccls. and (@pd > "20030127")) | USPAT; | 2004/02/11 |
| | ''- | or ((445/24).ccls. and (@pd > "20030127"))) and | US-PGPUB; | 12:45 |
| | | carbon | JPO; | 16.75 |
| | | | DERWENT | |
| | 2 | ("5073444") PN | | 2003/07/29 |
| _ | 4 | ("5973444").PN. | USPAT; | |
| | | | US-PGPUB; | 16:03 |
| | | | JPO; | |
| | | //IE EE1 000II) /II/ 105 000II) /II/ T00 07/III | DERWENT | 0004/00/// |
| - | 20 | (("5,551,903") or ("6,135,839") or ("4,728,851") or | USPAT | 2004/02/11 |
| | | ("4,904,895") or ("4,956,578") or ("5,185,554") or | | 14:34 |
| | | ("5,192,240") or ("5,214,346") or ("5,382,867") or | | |
| | | ("5,612,587") or ("5,577,943") or ("5,773,921") or | | 1 |
| | | ("5,935,639") or ("5,973,444") or ("5,982,091") or | | |
| | | ("6,135,839") or ("6,147,449") or ("6.204,597") or | | |
| | | ("6,288,494") or ("6,313,572") or ("6,390,612") or | | |
| | | ("6,448,709")).PN. | | |

| U.S-PGPUB; JPO; DERWENT U.S-PGPUB; JPO; | | | | | |
|---|---|---------|--|---------------------|------------|
| - 86 313/306.ccls. and (insulat\$3 same (emission emit\$4)) | - | 718 | 313/306.ccls. | USPAT; | 2004/02/11 |
| B6 313/306.ccls. and (insulat\$3 same (emission emit\$4)) | | | | US-PGPUB; | 14:34 |
| B6 313/306.ccls. and (insulat\$3 same (emission emit\$4) USPAT; US-P6PUB; JPO: DERWENT USPAT 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 11:35 17:00 ERWENT USPAT 2004/02/12 11:35 11:35 17:00 ERWENT USPAT 2004/02/12 11:35 1 | | | | JPO; | |
| 1 | | | | DERWENT | |
| - 1 ("4956578").PN 24 (carbon adj fiber) with graphene with (axial stack\$3) USPAT: | - | 86 | 313/306.ccls. and (insulat\$3 same (emission emit\$4)) | USPAT; | 2004/02/12 |
| - 1 ("4956578")PN 24 (carbon adj fiber) with graphene with (axial stack\$3) USPAT 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 11:29 2004/02/12 13:56 JPC; DERWENT USPAT 2004/02/12 13:56 JPC; DERWENT USPAT 2004/02/12 11:33 13:56 JPC; DERWENT 2004/02/12 11:33 13:56 JPC; DERWENT 2004/02/12 11:33 13:56 JPC; DERWENT 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11: | | | | US-PGPUB: | 10:05 |
| - 1 ("4956578")PN 24 (carbon adj fiber) with graphene with (axial stack\$3) USPAT: 11:29 2004/02/12 13:56 JPC; DERWENT USPAT: US-PGPUB; JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: 13:56 JPC; DERWENT USPAT: | | | | · · | |
| - 1 ("4956578").PN. | | | | | |
| 11:29 | | 1 | ("4056578") PN | | 2004/02/12 |
| - 24 (carbon adj fiber) with graphene with (axial stack\$3) USPAT; US-PGPUB; JPC; DERWENT USPAT 13:56 JPC; DERWENT USPAT 13:56 JPC; DERWENT USPAT 13:38 2004/02/12 13:36 JPC; DERWENT USPAT 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:38 2004/02/12 13:36 JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USPAT; USP-PGPUB; JPC; DERWENT USP-PGPUB; JPC | - | • | (4930376).F14. | USFAT | |
| - 6 ("5102745" "6288888" "6511768" "6515845" USPAT 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:53 2004/02/12 11:54 2004/02/12 11:55 2004/02/12 11:56 3004/02/12 11:5 | | 24 | (| LICDAT | l I |
| - 6 ("5102745" "6288888" "6511768" "6515845" USPAT USPAT 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:35 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:55 2004/02/12 11:01 JPO; DERWENT USPAT; USPAP(USPAT) USPAT; USPAT; USPAP(USPAT) USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPA | - | 24 | (carbon adj tiber) with graphene with (axiai stack\$3) | | |
| - 6 ("5102745" "6288888" "6511768" "6515845" USPAT 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 11:33 2004/02/12 2004/02 | | | | · · | 13:56 |
| - 6 ("5102745" "6288888" "6511768" "6515845" USPAT 2004/02/12 11:33 11:33 11:33 11:33 11:33 12:34 | | | | I v | |
| - 6 ("5521369" "6528211"),P.N 1 ("5102745" "628888" "6511768" "6515845" - 2727 (315/169.1,169.3,169.4),CCLS 2727 (315/169.1,169.3,169.4),CCLS 3801 (313/336,351,350,309-311),ccls 3801 (313/336,351,350,309-311),ccls.) and ((carbon near2 fiber) same graphene with (axial stack\$3)) - 7 ((313/336,351,350,309-311),ccls.) and ((carbon near2 fiber) with graphene) - 7 ((313/336,351,350,309-311),ccls.) and ((carbon near2 fiber) with graphene) - 7 ((315/169.1,169.3,169.4),CCLS.) and ((carbon near2 fiber) with graphene) - 371 ((315/169.1,169.3,169.4),CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4),CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560"),PN 2 ("20030222560"),PN 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r),0GB&AT US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWEN | | | | | |
| - 6 ("5102745" "6288888" "6511768" "6515845" USPAT 2004/02/12 11:53 11:53 11:53 12:54 12:5 | - | 6 | | USPAT | · · |
| - 2727 (315/169.1,169.3,169.4).CCLS. USPAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERW | | | "6521369" "6528211").PN. | | 11:33 |
| - 2727 (315/169.1,169.3,169.4).CCLS. USPAT; US-P6PUB; JPO; DERWENT US-P6PUB; JPO; DERWENT US-P6PUB; JP | - | 6 | ("5102745" "6288888" "6511768" "6515845" | USPAT | 2004/02/12 |
| - 3801 (313/336,351,350,309-311).ccls. US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT US- | | | "6521369" "6528211").PN. | 1 | 11:53 |
| - 3801 (313/336,351,350,309-311).ccls. US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT US- | - | 2727 | (315/169.1,169.3,169.4).CCLS. | USPAT; | 2004/02/12 |
| - 3801 (313/336,351,350,309-311).ccls. | | | | US-PGPUB: | 13:56 |
| - 3801 (313/336,351,350,309-311).ccls. DERWENT USPAT; US-PGPUB; 14:01 JPO; DERWENT USPAT; US-PGPUB; 14:01 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 14:03 JPO; DERWENT USPAT; US-PGPUB; 15:56 JPO; DERWENT USPAT; US-PGPUB; 15:56 JPO; DERWENT US-PGPUB; 15:56 JPO; DERWENT US-PGPUB; 15:57 JPO; DERWENT US-PGPUB; 15:57 JPO; DERWENT US-PGPUB; 15:57 JPO; DERWENT US-PGPUB; 15:57 JPO; DERWENT US-PGPUB; 17:00 DERWENT US-P | | | | | |
| - 3801 (313/336,351,350,309-311).ccls. USPAT; US-P6PUB; 14:01 JPO; DERWENT USPAT; US-P6PUB; 14:01 USPAT; US-P6PUB; 14:01 USPAT; US-P6PUB; 14:03 JPO; DERWENT USPAT; US-P6PUB; 14:03 JPO; DERWENT USPAT; US-P6PUB; 14:03 JPO; DERWENT USPAT; US-P6PUB; 14:03 JPO; DERWENT USPAT; US-P6PUB; 14:03 JPO; DERWENT USPAT; US-P6PUB; 15:56 JPO; DERWENT USPAT; US-P6PUB; 15:56 JPO; DERWENT USPAT; US-P6PUB; 15:56 JPO; DERWENT USPAT; US-P6PUB; 15:57 JPO; DERWENT USPAT; US-P6PUB; 15:57 JPO; DERWENT USPAT; US-P6PUB; 15:57 JPO; DERWENT USPAT; US-P6PUB; 15:57 JPO; DERWENT USPAT; US-P6PUB; 17-0; DERWENT USPAT; US-P6PUB; 17-0; DERWENT USPAT; US-P6PUB; 17-0; DERWENT USP-P6PUB; 17-0; DERWENT USP-P6PUB; 17-0; DERWENT US-P6PUB; 17-0; DERWENT US-P6P | | | | | |
| 14:01 US-PGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPGPUB | _ | 3801 | (313/336 351 350 300-311) cale | | 2004/02/12 |
| JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT USPAT; US-P6PUB; JPO; DERWENT | | 3601 | (313/330,331,330,309-311).66 5. | · · | · · |
| - 33 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) same graphene with (axial stack\$3)) - 7 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) - 437 ((315/169.1,169.3,169.4).CCLS.) and ((carbon near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). CGBRWENT US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWE | | | | | 14.01 |
| - 3 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) same graphene with (axial stack\$3)) - 7 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). US-PGPUB; JPO; DERWENT US-PG | | | | I | |
| fiber) same graphene with (axial stack\$3)) - 7 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 JPO; DERWENT (315/169.1,169.3,169.4).CCLS.) and ((electron near3 USPAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT (315/169.1,169.3,169.4).CCLS.) and ((electron near2 US-PGPUB; JPO; DERWENT US-PGPUB; JPO; | | | | | 000440040 |
| 7 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission))) with (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission))) with (source potential)) - 2 ("20030222560").PN. - 488 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r) (ABBAT; 2004/08/11 O9:44 JPO; DERWENT US-PGPUB; JPO; | - | 3 | | 1 | |
| - 7 ((313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).0058AT; US-PGPUB; JPO; DERWENT US-PGP | | | fiber) same graphene with (axial stack\$3)) | · · | 14:03 |
| - (313/336,351,350,309-311).ccls.) and ((carbon near2 fiber) with graphene) - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r) | | | | 1 | |
| fiber) with graphene US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; USPAT; US-PGPUB; JPO; DERWENT USPAT; USPGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; USP | | | | DERWENT | |
| - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 USPAT; US-PGPUB; JPO; DERWENT USPAT; (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r) - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r) - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | - | 7 | ((313/336,351,350,309-311).ccls.) and ((carbon near2 | USPAT; | 2004/02/12 |
| - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). CGBAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DER | | | fiber) with graphene) | US-PGPUB; | 14:03 |
| - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT | | | | JPO; | |
| - 437 ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 (emit\$4 emission)) same (source potential)) - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CDBRWENT | | | | DERWENT | |
| (emit\$4 emission)) same (source potential)) US-PGPUB; JPO; DERWENT USPAT; 2004/02/12 (emit\$4 emission)) with (source potential)) US-PGPUB; JFO; DERWENT USPAT; 2004/02/12 US-PGPUB; JFO; DERWENT USPAT; 2004/08/09 US-PGPUB; JFO; DERWENT USPAT; 2004/08/09 US-PGPUB; JFO; DERWENT USPAT; 2004/08/11 US-PGPUB; JFO; DERWENT USPAT; US-PGPUB; JFO; DERWENT USPAGE US-PGPUB; JFO; DERWENT USPAGE US-PGPUB; JFO; DERWENT USPAGE US-PGPUB; JFO; DERWENT | _ | 437 | ((315/169.1,169.3,169.4).CCLS.) and ((electron near3 | USPAT; | 2004/02/12 |
| - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 USPAT; 2004/02/12 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). CDERWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). CDERWENT - COORDINATION DERWENT - COORDINATION DERWENT - DERWENT - O09:44 - O99:44 | | | | | 15:56 |
| - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - 2 ("20030222560").PN. - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CCLS.) and ((electron near2 USPAT; US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT | | | · · · · · · · · · · · · · · · · · · · | 1 | |
| - 371 ((315/169.1,169.3,169.4).CCLS.) and ((electron near2 (emit\$4 emission)) with (source potential)) - 2 ("20030222560").PN. - (180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CCBAT; US-PGPUB; JPO; DERWENT - (180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CCBAT; US-PGPUB; JPO; DERWENT - (180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).CCBAT; US-PGPUB; JPO; DERWENT | , | | | · · | |
| (emit\$4 emission)) with (source potential)) US-PGPUB; JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).0d5BAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT | _ | 371 | ((315/169.1.169.3.169.4),CCLS.) and ((electron near2 | | 2004/02/12 |
| JPO; DERWENT USPAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).0d58AT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT | | • • • • | | | |
| - 2 ("20030222560").PN. DERWENT USPAT; 2004/08/09 13:46 - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). Od5BAT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT | | , | (Chilly Comosion), with (Source potential) | | -5.57 |
| - 2 ("20030222560").PN. USPAT; US-PGPUB; JPO; DERWENT | | | | I | |
| US-PGPUB; JPO; DERWENT - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).0d658AT; US-PGPUB; JPO; DERWENT US-PGPUB; JPO; DERWENT | | , | ("20030222540") PN | l . | 2004/08/00 |
| JPO; DERWENT 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).0d58AT; US-PGPUB; JPO; DERWENT O9:44 JPO; DERWENT | _ | _ ~ | ן בְּטְטְּטְעְבְבְּטְסְּטְ זְיְרִוּאָ. | | |
| - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r). OCBRWENT 2004/08/11 US-PGPUB; JPO; DERWENT | | • | | 1 | 13:40 |
| - 6180 (313/336,351,350,309-311,169.1,169.3,169.4,495,346r).005BAT; US-PGPUB; US-PGPUB; JPO; DERWENT | | | | 1 ' | |
| U5-PGPUB; 09:44 JPO; DERWENT | : | | | 1 | 0004/25/4/ |
| JPO; DERWENT | - | 6180 | (313/336,351,350,309-311,169.1,169.3,169.4,495,346r) | | |
| DERWENT | | | , | | 09:44 |
| | | | | | |
| 2316 (/313/324 351 350 300 311 140 1 140 3 140 4 405 344 \(\int \text{PMBDS/T} \) 2004/09/00 | | | | DERWENT | |
| - ((515/556,501,500,501,501,150,11,103,1,109,03,040f), 2010 ((515/556,001,000,001) | - | 2316 | ((313/336,351,350,309-311,169.1,169.3,169.4,495,346r |). OS IBA)T; | 2004/08/09 |
| and (electron same (emit\$4 emission)) and (volt U5-PGPUB; 14:45 | | | and (electron same (emit\$4 emission)) and (volt | US-PGPUB; | 14:45 |
| voltage) JPO; | | | voltage) | JPO; | |
| DERWENT | | | | | |

| - | 1798 | (((313/336,351,350,309-311,169.1,169.3,169.4,495,346 | -)(CSPATI) | 2004/08/09 |
|----------|------|---|-------------|------------|
| | 1,70 | and (electron same (emit\$4 emission)) and (volt | US-PGPUB; | 14:47 |
| | | voltage)) and (insulat\$3) | JPO; | 14.47 |
| | | vortage)) and (insular \$5) | DERWENT | |
| | 1683 | ((((313/336,351,350,309-311,169.1,169.3,169.4,495,34 | | 2004/08/09 |
| _ | 1003 | | | 14:53 |
| | | and (electron same (emit\$4 emission)) and (volt | US-PGPUB; | 14:55 |
| | | voltage)) and (insulat\$3)) and electron same | JPO; | |
| | 4505 | (emission emit\$3) same (film layer\$3 surface coat\$3 | DERWENT | 2004/00/00 |
| - | 1525 | 66(64) \$2336,351,350,309-311,169.1,169.3,169.4,495,346 | | 2004/08/09 |
| | | and (electron same (emit\$4 emission)) and (volt | US-PGPUB; | 16:46 |
| | | voltage)) and (insulat\$3)) and electron with (emission | JPO; | |
| | | emit\$3) with (film layer\$3 surface coat\$3 cover\$3) | DERWENT | |
| - | 268 | ((((313/336,351,350,309-311,169.1,169.3,169.4,495,346 | rivisarijub | 2004/08/09 |
| | | and (electron same (emit\$4 emission)) and (volt | | 14:54 |
| | | voltage)) and (insulat\$3)) and electron with (emission | | |
| | | emit\$3) with (film layer\$3 surface coat\$3 cover\$3) | | |
| - | 1248 | ((((313/336,351,350,309-311,169.1,169.3,169.4,495,346 | ry6e45.) | 2004/08/09 |
| | | and (electron same (emit\$4 emission)) and (volt | | 15:09 |
| | | voltage)) and (insulat\$3)) and electron with (emission | | |
| | | emit\$3) with (film layer\$3 surface coat\$3 cover\$3) | | |
| - | 2875 | 313\$495.ccls. and ((insulat\$3 dielectric) same | USPAT; | 2004/08/09 |
| | | (electrode (metal near3 film)) same | US-PGPUB; | 16:52 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | JPO; | |
| | | electron\$emissive electron\$emission (electron near3 | DERWENT | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type) | | |
| _ | 502 | 313/495.ccls. and ((insulat\$3 dielectric) same | USPAT; | 2004/08/09 |
| | | (electrode (metal near3 film)) same | US-PGPUB; | 16:53 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | JPO; | |
| | | electron\$emissive electron\$emission (electron near3 | DERWENT | |
| | | (emission emit\$4 emissive))) near3 (film surface | JCKWC/V/ | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type) | | |
| _ | 1 | ("6316873").PN. | USPAT | 2004/08/10 |
| | 1 | (001007 3).114. | 03/7/1 | 14:01 |
| | 2 | ("5894189" "5982091").PN. | USPAT | 2004/08/10 |
| - | | (3634163 3362031 J.FN. | USPAT | 13:55 |
| | , | 4314973 HDDN | LICDAT | 2004/08/10 |
| - | 3 | 6316873.URPN. | USPAT | |
| | 2224 | (315/1/0 1 1/0 3 1/0 4) 661 6 | LICDAT: | 13:58 |
| - | 2806 | (315/169.1,169.3,169.4). <i>CC</i> LS. | USPAT; | 2004/08/10 |
| | | ((DAE 14/0 A 4/0 B 4/0 A) (CC) = 1 (1/1 - 1 + 1/2 - 1 + | US-PGPUB | 15:32 |
| - | 501 | ((315/169.1,169.3,169.4).CCLS.) and ((insulat\$3 | USPAT; | 2004/08/10 |
| | | dielectric) same (electrode (metal near3 film)) same | US-PGPUB; | 15:33 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | JPO; | |
| | | electron\$emissive electron\$emission (electron near3 | DERWENT | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| 1 | | surface\$type) | | |

| - | 417 | (((315/169.1,169.3,169.4).CCLS.) and ((insulat\$3 | USPAT; | 2004/08/10 |
|---|------|---|-----------|------------|
| | | dielectric) same (electrode (metal near3 film)) same | US-PGPUB | 15:04 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | | |
| | | electron\$emissive electron\$emission (electron near3 | | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type)) and (suppl\$4 source) same (power | | |
| | | volt voltage) | | |
| _ | 283 | ((((315/169.1,169.3,169.4).CCLS.) and ((insulat\$3 | USPAT; | 2004/08/10 |
| | | dielectric) same (electrode (metal near3 film)) same | US-PGPUB | 15:03 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | | |
| | | electron\$emissive electron\$emission (electron near3 | | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type)) and (suppl\$4 source) same (power | | |
| | | volt voltage)) and (on off) | | |
| - | 0 | santiago.xa. near mariceli and (on same off) | USPAT; | 2004/08/10 |
| | | | US-PGPUB | 15:04 |
| - | 222 | santiago.xa. near mariceli | USPAT; | 2004/08/10 |
| | | | US-PGPUB | 15:04 |
| - | 97 | graphene same \$fiber | USPAT; | 2004/08/10 |
| | | | US-PGPUB | 15:07 |
| - | 1 | ("6628053").PN. | USPAT | 2004/08/10 |
| | | | | 15:18 |
| - | 1 | ("5618875").PN. | USPAT | 2004/08/10 |
| | | | | 15:18 |
| - | 95 | (santiago.xa. near mariceli) and (suppl\$4 source) | USPAT; | 2004/08/10 |
| | | same (power volt voltage) | US-PGPUB | 15:31 |
| - | 15 | (santiago.xa. near mariceli) and (suppl\$4 source) | USPAT; | 2004/08/10 |
| | | same (power volt voltage) and (315\$.ccls.) | US-PGPUB | 15:31 |
| - | 2359 | ((445/24,25,50,51)).CCLS. | USPAT; | 2004/08/10 |
| | | | US-PGPUB | 15:33 |
| - | 542 | (((445/24,25,50,51)).CCLS.) and ((insulat\$3 | USPAT; | 2004/08/10 |
| | | dielectric) same (electrode (metal near3 film)) same | US-PGPUB; | 15:34 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | JPO; | |
| | | electron\$emissive electron\$emission (electron near3 | DERWENT | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type) | | |

| - | 526 | ((((445/24,25,50,51)).CCLS.) and ((insulat\$3 | USPAT; | 2004/08/10 |
|---|-----|---|-----------|------------|
| | | dielectric) same (electrode (metal near3 film)) same | US-PGPUB; | 17:37 |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | JPO; | |
| | | electron\$emissive electron\$emission (electron near3 | DERWENT | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type)) not ((((315/169.1,169.3,169.4).CCLS.) | | |
| | | and ((insulat\$3 dielectric) same (electrode (metal | : | |
| | | near3 film)) same ((electro\$conduct\$3 conduct\$3 | | |
| | | electron\$emit\$4 electron\$emissive | | |
| | | electron\$emission (electron near3 (emission emit\$4 | | |
| | | emissive))) near3 (film surface layer coat\$3))) and | | |
| | | ((cold near4 cathode) surface surface\$type)) | | |
| | | (graphene same \$fiber) | | |
| | | ((((((315/169.1,169.3,169.4).CCLS.) and ((insulat\$3 | | |
| | | dielectric) same (electrode (metal near3 film)) same | | |
| | | ((electro\$conduct\$3 conduct\$3 electron\$emit\$4 | | |
| | | electron\$emissive electron\$emission (electron near3 | | |
| | | (emission emit\$4 emissive))) near3 (film surface | | |
| | | layer coat\$3))) and ((cold near4 cathode) surface | | |
| | | surface\$type)) and (suppl\$4 source) same (power | | |
| | | volt voltage)) and (on off))) | | |
| | 6 | ("5713775" "5726524" "5729094" "5990605" | USPAT | 2004/08/10 |
| | | "6023124" "6184612").PN. | | 16:57 |
| | 6 | 6274881.URPN. | USPAT | 2004/08/10 |
| | | | | 17:00 |
| | 1 | ("6274881").PN. | USPAT | 2004/08/10 |
| | | | | 17:37 |